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	Application No.	Applicant(s)
Notice of Allowability	10/634,440	NOVAK ET AL.
	Examiner	Art Unit
	Maureen G. Arancibia	1763
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	 or other appropriate communic RIGHTS. This application is subj 3 and MPEP 1308. 	is application. If not included
1. A This communication is responsive to a telephonic interview	w on 11/12/2004.	
2. ⊠ The allowed claim(s) is/are <u>1 and 3-8</u> .		
3. The drawings filed on <u>05 August 2003</u> are accepted by the	e Examiner.	
 4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application N	0.
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm	itted. Note the attached EXAMIN	IEDIO AMENDAGINA
which give	es reason(s) why the oath or dec	laration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.	
(a) ☐ including changes required by the Notice of Draftspers1) ☐ hereto or 2) ☐ to Paper No./Mail Date	on's Patent Drawing Review (P	TO-948) attached
(b) ☐ including changes required by the attached Examiner's	s Amendment / Comment or in th	e Office action of
Identifying indicia such as the application number (see 27 CER 4	94(a)) =b==141	
the state of tablet as such in the	te fleader according to 37 CFR 1.1	21(d).
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 	SIT OF BIOLOGICAL MATERIA FOR THE DEPOSIT OF BIOLOG	L must be submitted. Note the GICAL MATERIAL.
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	_	
2. Notice of Neitherson's Patent Drawing Review (PTO-948)		l Patent Application (PTO-152)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08	6. ☑ Interview Summa Paper No./Mail I	Date 11122004
Paper No./Mail Date 1. ☐ Examiner's Comment Regarding Requirement for Deposit		
of Biological Material	8. ⊠ Examiner's State 9. ☐ Other	ment of Reasons for Allowance
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Application/Control Number: 10/634,440

Art Unit: 1763

EXAMINER'S AMENDMENT

- 1. An extension of time under 37 CFR 1.136(a) is required in order to make an examiner's amendment which places this application in condition for allowance. During a telephone conversation conducted on 11/12/2004, Brian Belles requested an extension of time for 2 MONTH(S) and authorized the Director to charge Deposit Account No. 50-1275 the required fee of \$430 for this extension and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- The application has been amended as follows:

The claims have been renumbered in sequential order, 1-7.

Replace the text of Claim 1 with the following:

Claim 1: A process for removing photoresist from semiconductor wafers comprising:

positioning at least one semiconductor wafer in a process tank above a sparger plate;

introducing a mixture of ozone and deionized water to the process tank at a position below the sparger plate; and

introducing the mixture of ozone and deionized water via the sparger plate at an increased flow velocity across said wafer while said wafer is submerged in said deionized water and ozone.

Page 2

Application/Control Number: 10/634,440

Art Unit: 1763

Correct claims 4 and 5 to refer to claim 3.

Correct claim 8 to refer to claim 7.

On Line 2 of the Specification, after "2002" insert the following:

now Patent No. 6,649,018

Replace the text of the Abstract with the following:

A process and system for removing photoresist from semiconductor wafers comprises applying pressure in excess of one atmosphere to ozone, mixing the ozone with ambient temperature or higher deionized water via a sparger plate, and exposing the semiconductor wafers to the mixture of ozone and deionized water. The system is comprised of a tank capable of holding the semiconductor wafers, a sparger plate within the tank, a source of ozone connected to the tank, a source of deionized water connected to the tank, and finally a means for recirculating the deionized water connected to the tank. No chiller is included in the system as required by the prior art.

- 3. The following is an examiner's statement of reasons for allowance:
- Applicant distinguishes over the prior art by delivering the mixture of deionized water and ozone from *beneath* a sparger plate.
- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maureen G. Arancibia whose telephone number is (571)

Application/Control Number: 10/634,440

Art Unit: 1763

272-1219. The examiner can normally be reached on core hours of 11-5, Monday-

Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Mills can be reached on (571) 272-1439. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Maureen G. Arancibia

Page 4